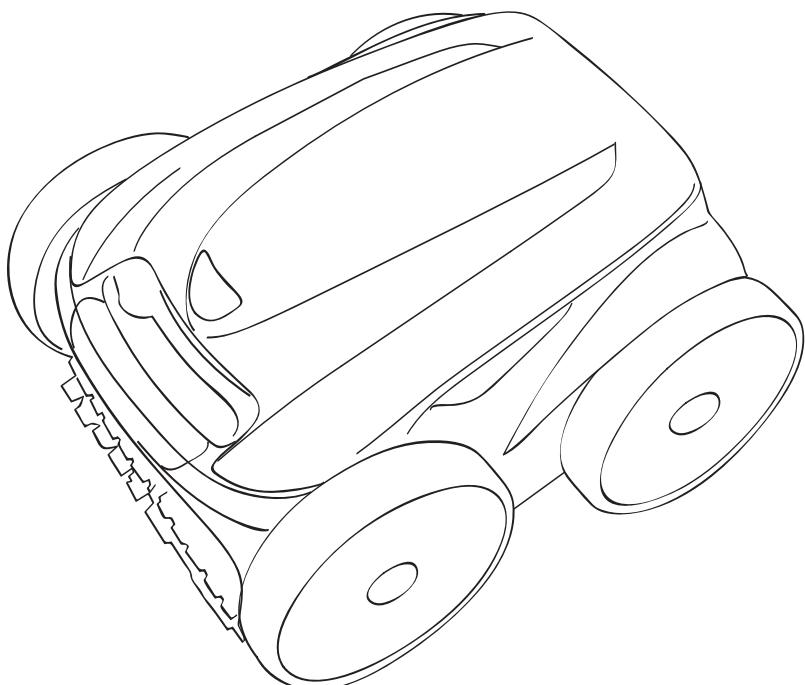




VORTEX™ 3.2

VORTEX™ 3
4WD

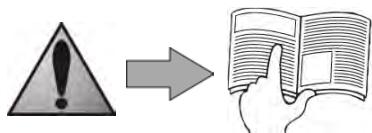
VORTEX™ 4
4WD



Instructions for installation and use
English

EN

More languages on:
www.zodiac-poolcare.com



- Read this manual carefully before installing, maintaining or repairing this appliance!
- The symbol  indicates important information that must be taken into consideration in order to avoid risk of harm to persons or damage to the appliance.
- The symbol  indicates useful information.
- Exclusive use: Pool water cleaning (must not be used for any other purpose).



Warning

- It is important that this appliance be handled by skilled and apt persons (physically and mentally) having received the instructions for use beforehand (through reading these instructions). All persons not meeting these criteria must not approach the appliance in order to avoid exposure to dangerous parts.
- If the appliance suffers a malfunction: do not try to repair the appliance yourself, contact your installer.
- Only connect the control box to a power outlet protected by a 30 mA maximum ground fault circuit breaker (if in doubt contact a qualified electrician).
- Make sure that the power socket is permanently and easily accessible and sheltered from rain and splashing water.
- The control box must not be installed in a floodable area.
- The control box must be stored in a dry place that is sheltered from the weather.
- Install the control box at least 3.5 meters from the pool edge and avoid exposing it to direct sunlight. Preferably in a cool, ventilated and shaded area.
- Do not allow bathing when the cleaner is in the pool. If the control box falls into the water it is imperative that you remove the power supply before retrieving it.
- In order to avoid risks of electrocution never open the electronic control box. Contact a qualified technician.
- Never attempt to repair the power supply cable. Contact your reseller to replace it with an original part to avoid any hazards.
- Disconnect the power supply cable before any cleaning, maintenance or service operations and after each use.
- The cleaner must operate in pool water having the following characteristics: Chlorine < 3 mg/l, pH between 6.8 and 7.6, temperature between 15°C and 35°C.
- Do not operate the cleaner out of the water.
- Incorrect installation or use may cause serious damage to property or serious injuries (possibly causing death).
- Keep the appliance out of the reach of children.

WARNING ON THE USE OF THIS CLEANER IN A POOL WITH A VINYL SURFACE

The surface of certain vinyl patterned surfaces can wear rapidly and the patterns disappear on contact from objects such as cleaning brushes, toys, inflatable buoys, chlorine distributors and automatic pool cleaners. The decoration on some vinyl surfaces can be scratched or worn by basic friction such as through the use of a pool brush. The colours of certain patterns can also be erased during use or when in contact with objects in the pool. The erased patterns, wear or scratching of vinyl surfaces are not the liability of Zodiac® and are not covered by the limited warranty.

As part of the continuous improvement process our products may be modified without prior notice.

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1. Information before use

1.1 Important

Check that your appliance has not been damaged during transport (shocks, broken parts, etc.). If you find any problems don't hesitate to contact your reseller before using the cleaner.

1.2 Technical specifications

Control box power supply voltage	220-240 VAC, 50 Hz
Robot power supply	30 V DC
Max absorbed power	150 W
Cable length	18 m or 21 m (Vortex™4 4WD)
Cleaner size (L x W x h)	43 x 48 x 27 cm
Package size (L x W x h)	56 x 56 x 46 cm
Cleaner weight	9 kg 500
Packaged weight	19 kg
Theoretical cleaning width	270 mm
Pump flow	16 m³/hr
Cycle duration	Depending on the selected cycle

1.3 Recommendations for use

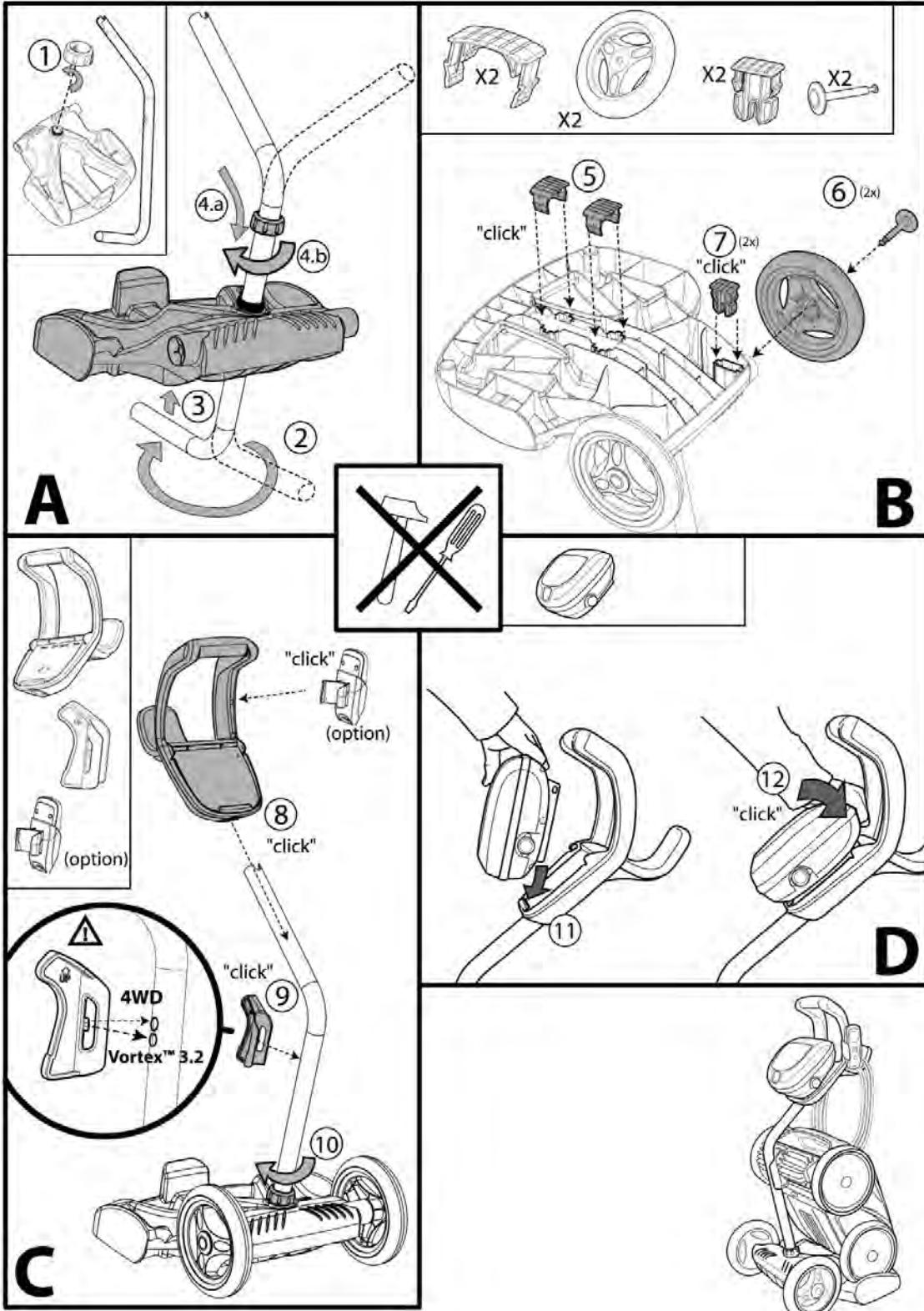
- The cleaner must operate in pool water having the following characteristics: Chlorine < 3 mg/l, pH between 6.8 and 7.6, temperature between 15°C and 35°C,
- Regular use of the cleaner means that your pool will always be clean and the filter less clogged,
- When the pool is dirty, especially when commissioning, remove the largest debris using a net in order to optimise cleaner performance. Start by launching several bottom-only mode cleaning cycles.
- Remove any thermometers, toys and other objects that might damage the cleaner,
- Immerse the cleaner before launching a cleaning cycle,
- Do not leave the cleaner in the water permanently,
- Stow your cleaner on its caddy as soon as possible in order to avoid distorting the flexible edge at the filter input.
- Do not leave the control box in direct sunlight after having used the cleaner,
- Never cover the control box while the cleaner is in operation,
- If part of the pool is not properly cleaned change the place where you immerse the cleaner until you find the best spot,

- The behaviour of the robot is strongly impacted by the tangling of the cable. Please untangle the cable and lay it out in the sun so that it returns to its original shape,
- You can operate the filtering pump during a cleaning cycle, the particles placed in suspension by the cleaner will thus be filtered out. However, if the behaviour of the cleaner is influenced by the jet as the discharge nozzle level when the filtering pump is operational, we advise you to start your robot when the filtering pump is not operating.

⚠ Do not use your cleaner during shock chlorination!

1.4 Package content and assembly of the transport caddy

The package contains: the cleaner, caddy (kit), control box, floating cable, remote control unit (Vortex™ 4 4WD only), user manual, warranty leaflet.

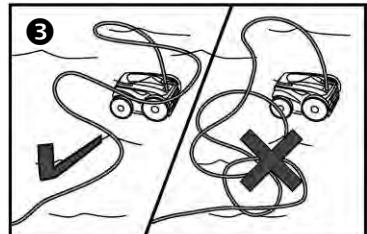
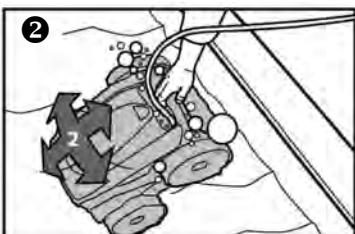
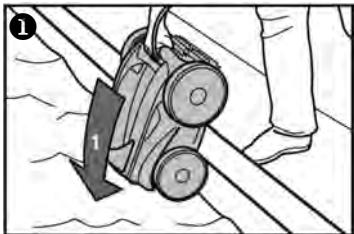


1.5 Immersing the cleaner



Do not allow bathing when the cleaner is in the pool.

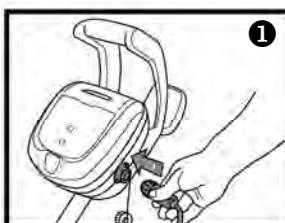
- Place the cleaner vertically into the water (1) and move it slightly in all directions so that the air contained in the cleaner escapes (2).
- It is essential that the cleaner sinks on its own and settles on the pool bottom. Spread out the required length of cable by the pool. For optimum operation we recommend that you place the caddy with the control box at the centre of the pool length (3).



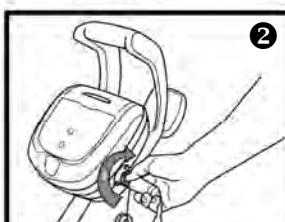
1.6 Electrical connection



Place the control box on the caddy at a distance of at least 3.5 metres from the edge of the pool avoiding placing the control box in direct sunlight.



- Unscrew the protective cap.



- Connect the floating cable to the control box (1) and lock it into place: firmly tighten the ring by turning it clockwise (2). Make sure the connector is sufficiently pushed into place. If this is not the case repeat the operation.
- Connect the mains cable. Only connect the control box to a power outlet protected by a 30 mA maximum ground fault circuit breaker (**if in doubt contact a qualified electrician**).



Don't forget to screw the protective cap back on if you unplug the control box power cord.

2. Description of the control box

2.1 Vortex™ 3.2



Surface area to be cleaned*
Bottom only
Bottom + sides + water line

Removal from pool mode

Start / Stop the cleaner



*The selected cleaning cycle can be identified via the icons that are displayed

2.2 Vortex™ 3 4WD

Navigation DAYS/HOURS/MINUTES selection

Display of the time and setting the time



Confirm the selection
DAYS / HOURS / MINUTES

Programming cleaning cycles and setting the time

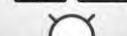
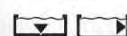
Cancels programming

Surface area to be cleaned*

Bottom only



Bottom + sides + water line



Removal from pool mode



Start / Stop the cleaner



*The selected cleaning cycle can be identified via the icons that are displayed

2.3 Vortex™ 4 4WD

Navigation DAYS/HOURS/MINUTES selection

Display of the time and setting the time

Validate the selection
DAYS / HOURS / MINUTES

Programming cleaning cycles and setting the time

Cancels programming



Indication "Clean filter"



Removal from pool mode

Cleaning intensity*

Start / Stop the cleaner

Low intensity



Intensive



Start / Stop the cleaner

Surface area to be cleaned*

Pool shape*

Bottom only

Flat bottomed rectangular



Bottom + sides (climbs the wall only 1 out of 4 times) + water line

Other shapes, other bottoms



Water line only



Other shapes, other bottoms

*The selected cleaning cycle can be identified via the icons that are displayed.

i Concerning the pool shape, the cleaner will adapt its movement strategy depending on the choice in order to optimise the coverage rate.

3. Use

3.1 Starting up the cleaner

- When you connect the control box, the operating time for the selected cycle is displayed.
- You can launch a cleaning cycle by pressing the "START / STOP" button.
- The screen then displays the time remaining for the cleaning cycle, example : **0:44** (Vortex™ 3 4WD, Vortex™ 4 4WD).



The pool cleaner is so efficient that it is not necessary to run more than 3 cycles per week

3.2 Choice of a cleaning cycle

- On first use a default cleaning cycle is programmed. The indicators below are on:

⇒ Vortex™ 3.2, Vortex™ 3 4WD: Bottom

⇒ Vortex™ 4 4WD: Low intensity Bottom Other shapes, other

- In order to customise the cleaning cycle, use the following buttons (see § 2):

⇒ Vortex™ 3.2, Vortex™ 3 4WD:

⇒ Vortex™ 4 4WD:

The cleaning cycle can be customised at any time, before the cleaner starts or while it is operating. If you customise the cycle during operation, the new cycle will be launched instantly and the remaining time countdown will be reinitialised.

3.3 Removing the cleaner from the water

You can use the "remove from pool" mode during the cleaning cycle or at the end of the cycle by using the control box or the remote control (Vortex™ 4 4WD).

➔ Using the control box, a short press on the button. The **LIFT** message is displayed (Vortex™ 3 4WD, Vortex™ 4 4WD). The cleaner moves towards a pool wall and climbs up to the waterline.

➔ Using the remote control unit (Vortex 4 4WD) : (see § 5.1).

To remove the cleaner from the pool at a specific location BEFORE pressing the "remove-from-water" mode

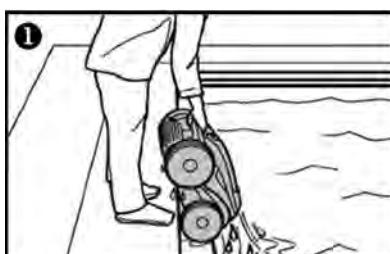
➔ Using the control box :

- Press the button on the control box to make the cleaner turn to the left and to direct it in the desired direction. The **LIFT** message is displayed (Vortex™ 3 4WD, Vortex™ 4 4WD).

- The cleaner advances until you release the button

➔ Using the remote control unit (Vortex 4 4WD) : (see § 5.1).

- When the cleaner is within hand's reach pick it up by the handle and lift it gently out of the pool so that the water it contains drains into the pool (1).



Don't pull on the cable to remove the cleaner from the pool. Use the handle.

3.4 Stopping the cleaner

- Press the "START / STOP" button on the control box.

- If you want to stop the cleaner when the lift system is active:  LIFT SYSTEM, press the  button quickly to stop the cleaner and the control box.

 **Vortex™ 3 4WD, Vortex™ 4 4WD : The control box switches to standby after 10 minutes, the screen is switched off.** Just press any key to exit standby mode. Standby mode does not stop the cleaner if it is in a cleaning cycle.

4. Program cleaning cycles for when you are away (Vortex™ 3 4WD, Vortex™ 4 4WD)

 It is not recommended to unplug the power cord once the programmed cleaning cycles have completed as this will delete the time settings. The time setting will be saved for approximately 2 minutes if the power cord is disconnected.

4.1. Setting the time



- To set the time, press the  button for a longer time (3 seconds).



- The days of the week begin flashing: , then the leds .



- Select the current day using the  and  buttons.



- Validate using the  button



- Once the day has been memorised, the hour flashes: 



- Select the current hour using the  and  buttons



- Validate using the  button



- Once the hour has been memorised, the minutes flash: 



- Select the current minutes using the  and  buttons.



- Validate using the  button

- The weekly programming setting menu appears, if you only want to set the time you can exit the menu by pressing  or 

4.2 Displaying current time and day



- To display the current day, time and minutes, quickly press the  button. Display for 5 seconds:



Displaying the current time and day is not possible while the cleaner is running a cycle

4.3 Programming cleaning cycles

- You can create up to **7 cleaning cycles**, either as 7 cycles in a row, or as the same cycle repeated over several weeks (example: every Wednesday and Saturday for 3 weeks)



- After completion of the 7th cycle the LED will turn off.

- Before programming the cleaning cycles, **select the type of cycle you need :**

- **Vortex™ 3 4WD :**

- **Vortex™ 4 4WD :**

- To programme a cycle, press the button for a longer time (3 seconds). The led stops flashing

- The days of the week flash twice.

- The LED and the current date and time flash. This is a reminder of the current date and time you entered in order to help you to programme. Press to start programming.

If the LEDs flash it means that the time setting is not complete. To continue with the cleaning cycle programming, it is essential to set the time first. To do this follow the instructions in § 4.1.

- Select the day to programme using the and buttons.

- Validate using the button.

- Once the day has been memorised, the hour flashes:

- Select the hour to programme using the and buttons.

- Validate using the button

- Once the hour has been memorised, the minutes flash:

- Select the minutes to programme using the and buttons. Minute programming operates in quarter hours (Example : 12:00 → 12:15 → 12:30 → 12:45...).

- Validate using the button The next day starts flashing for an eventual programme:

- A short press on or exits from the menu.

To cancel programming use the button:

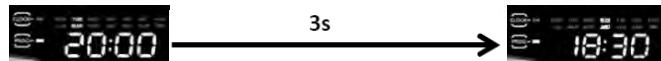
- **Long press "on the settings menu":** deletion of the programming for the day that is flashing.
- **Long press "outside the settings menu":** deletion of all programming.

The display switches off for 1 second to indicate that the programming has been deleted.

4.4 Displaying the programmed cycles



- To display the days on which the cleaning cycles have already been programmed, press the **PROG.-** button quickly. Every day's programme will be displayed for 3 seconds:



5. Remote control (Vortex™ 4 4WD)

5.1 Using the remote control

By default, the remote control is already synchronised with the control box.



- To power on the remote control press the **power** button for a long time (3 seconds). The screen displays the remote mode:

• 2 possible functions :

- **Pilot the cleaner:** Hold the remote control unit and move it in the desired direction using the movements illustrated below:



Forward



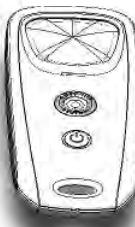
Left turn



STOP



Right turn



Backwards



LIFT

- **Remove the cleaner from the water:** Press the **LIFT SYSTEM** button quickly. The **LIFT** message is displayed on the screen. The cleaner moves toward the wall and climbs up to the waterline.



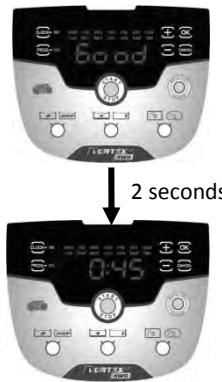
- To turn off the remote control press **power**. The remote control is switched off but the cleaner continues to operate.

For the communication between the control box and the remote control to be optimal, make sure to place the control box on the caddy. Orient the control box towards the pool, and make sure there is no obstacle between the control box and the pool. The frequency of the flashing of the led located on the remote control indicates the reception quality.

5.2 Synchronise the remote control with the control box (in the event of a change of remote / control box, or both)

If equipment is replaced, it is essential to synchronise the remote with the control box.

- Place the remote control **about 50 cm away** from the control box.
- Connect the control box, check that the display shows the operating time, and that no cleaning cycle is running.
- Switch on the remote by pressing .
- Before the remote control puts on hold (around 45 seconds) press the  and  buttons simultaneously during 6 seconds.
- Check the synchronisation is correctly completed by looking at the display and the remote control Led :

Control box display	Remote Control LED	Result
 Remaining cycle time	Led is blinking	<ul style="list-style-type: none">• Synchronisation completed correctly.
	Led is not flashing	<ul style="list-style-type: none">• Check the distance between the control box and the remote control is around 50 cm.• Check remote control batteries. Change them if necessary.• If the problem continues contact your reseller.

6. Maintenance

6.1 Cleaning the filter



The cleaner performance can be reduced if the filter is full or dirty. Make sure you clean the filter regularly with clean water for efficient pool cleaning.

- Filter access



- "Clean filter" indicator (Vortex™ 4 4WD)



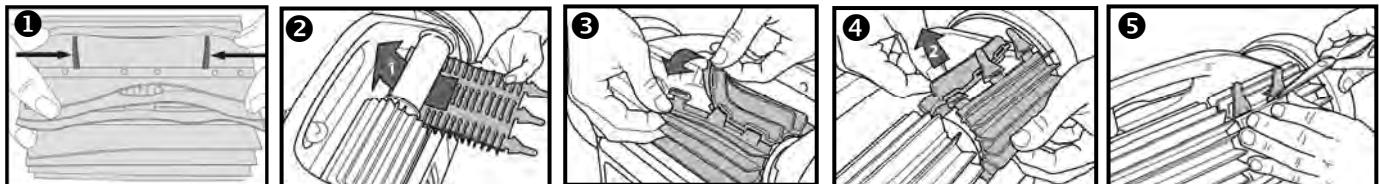
If the indicator on the control box lights, it is strongly recommended to clean the filter in order to perfect the cleaning.



If the indicator comes on during a cleaning cycle, it will remain on until the end of the cycle.

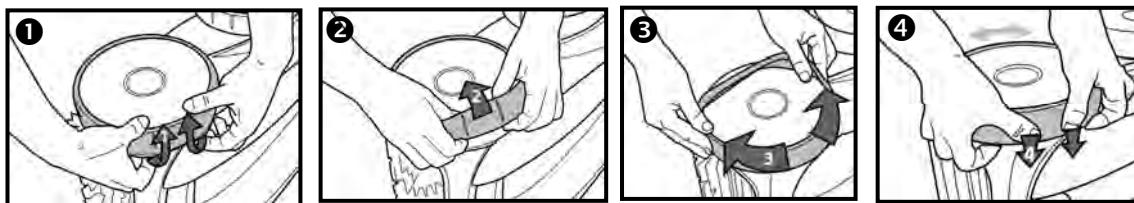
6.2 Replacing the brushes

- The cleaner is fitted with PVC brushes. They have wear indicators (1).
- To remove worn brushes, remove the tabs from the holes in which they are fixed.
- To fit new brushes start by fitting the side without tabs under the brush holder (2).
- Roll the brush around its support and slide the tabs into the fixing holes (3).
- Pull on the end of each tab (4) until its edge passes through the slit.
- Cut the tabs using scissors so that they are at the same level as the other blades (5).



We recommend that you replace the brushes every two seasons.

6.3 Changing the bands



6.4. Maintenance of your cleaner

- The cleaner must be cleaned regularly using clean or slightly soapy water, do not use solvents such as trichloroethylene or its equivalent. Rinse the cleaner generously using clean water. Do not let your cleaner dry in the sun by the pool.
- The cleaner must be stored on the caddy provided for this use so that it dries quickly.
- Wind the cable around the hooks.



6.5 Recycling



This symbol on a new appliance means that the equipment must not be thrown away, it will be selectively collected for the purpose of reuse, recycling or creating value. If it contains substances that are potentially harmful to the environment, they will be eliminated or neutralised. Ask your reseller about how to recycle your appliance and the bodies that can do so.

7. Troubleshooting

7.1 Meaning of error codes and possible causes

⇒ **Vortex™ 3.2 = Control indicator Led BLINKS**

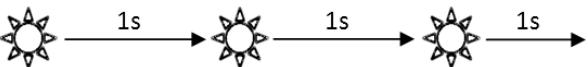
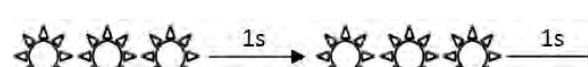
- If the  Led is off, the cleaner is operating normally. It is not communicating any information.
- If the  Led is blinking, the cleaner is signalling that you should perform checks to improve cleaning.

⇒ **Vortex™ 3 4WD, Vortex™ 4 4WD = In the event of malfunction, the control box indicates the error code on the screen.**

- Pressing a key deletes the error code and turns off the control box.
- The screen switches to standby after 10 minutes. To turn the screen back on, just press any key.

- When an error is detected, the control box temporarily suspends the programme (the  led is turned off).

Press the  key for a longer period to revalidate the current programming.

PROBLEMS		SOLUTIONS	
Vortex™ 3.2	Vortex™ 3 4WD Vortex™ 4 4WD	Error codes	
Control indicator Led BLINKS			
		10	<ul style="list-style-type: none"> Check that the cleaner is correctly connected to the control box. If necessary, unplug it and reconnect it following the appropriate procedure.
		2, 3, 5 and 6	<ul style="list-style-type: none"> Check that nothing is stopping the brushes from turning correctly (sand, cable, etc.). To do this turn the wheel to the left and then right one 1/4 turn in both directions.
		7 and 8	<ul style="list-style-type: none"> Robot operating outside the pool. Make sure you start the cleaner when it is in the water (see § 1.5).
		1 and 4	<ul style="list-style-type: none"> Check for the presence of pebbles or hair in the fan, clean the filter.

➔ If the problem continues contact your reseller.

7.2 Other possible situations

PROBLEMS	SOLUTIONS
The screen displays the  message when the remote control mode is active (Vortex™ 4 4WD)	<ul style="list-style-type: none"> This means that the remote control batteries are too low.
Remote control range problems (Vortex™ 4 4WD)	<ul style="list-style-type: none"> Make sure the control box is placed on the caddy at least 3.5 metres from the pool. Orient the control box towards the pool in order to improve the range of the remote control. Make sure no voluminous objects are between the control box and the pool.
The cleaner does not stay firmly on the pool bottom	<p>This may have two causes:</p> <ul style="list-style-type: none"> There is still air in the casing of the appliance. Repeat the immersion operations (see § 1.5). The filter is full or dirty: all you have to do is clean it.
The robot does not or no longer climbs the pool sides	<p>This may have two causes:</p> <ul style="list-style-type: none"> The filter is full or dirty: all you have to do is clean it. Even though the water seems clear, microscopic algae are present in your pool, they are not visible to the naked eye, and they make the sides slippery and prevent the cleaner from climbing. Carry out shock chlorination and slightly reduce the pH. <p>Do not leave the cleaner in the pool during shock treatments.</p>
On start-up the cleaner does not move	<ul style="list-style-type: none"> Check that the outlet to which the control box is connected is receiving a power supply. Check that you have started a cleaning cycle and check that the indicators are on. <p>If the problem continues contact your reseller.</p>
The cable gets tangled	<ul style="list-style-type: none"> Do not unroll the entire length of the cable into the pool. Place the required length of cable in the pool and place the rest on the side of the pool.
The control unit does not respond when you press the buttons	<ul style="list-style-type: none"> Unplug the cable from the mains socket, wait 10 seconds and plug it back in again.

7.3 Pre-diagnosis in the event of a malfunction (Vortex™ 3 4WD , Vortex™ 4 4WD)

If your cleaner malfunctions you have access to a menu which gives some indications on the status of your cleaner. This information can be used by your reseller to troubleshoot a possible breakdown.

→ To access the menu the cleaner must not be operational and the display must be on.

→ Press on  and  simultaneously for at least 5 seconds.

This is the information that is displayed in order every 3 seconds:

- The total cleaner operating time (in hours), example display: 
- The last cleaner error code (if the cleaner has had at least one error), example display: 
- The cleaner operating time at the error (if the cleaner has had at least one error), example display: 

→ Once this information has been displayed, the control box returns to the menu, with the screen on:



8. Product compliance

This appliance has been designed and built according to the following standards:

Low voltage directive: 2006/95/EC

Electromagnetic compatibility directive: 2004/108/EC

EN 55014-1: 2000 +A1:2001 +A2:2002 ; EN 55014-2: 1997 +A1:2002

EN 60335-1: 2002 + A1:2004 + A2:2006 +A11:2004 + A12:2006 ; EN 60335-2-41: 2003 + A1:2004

Relative to which it is compliant.

The product has been tested under the normal conditions of use.

Zodiac Pool Care Europe hereby declares that this product is in compliance with the essential requirements and other pertinent dispositions of the R&TTE 1999/5/EC directive

SAFETY STANDARDS:

The cleaners are classified by the ETL as being compliant with the appropriate requirements of IEC 60335-2-41.



Notes



www.zodiac-poolcare.com

Pour plus de renseignements, merci de contacter votre revendeur.
For further information, please contact your retailer.

Votre revendeur / your retailer